2013-2014 STEM Scale-Up Programs
March 1, 2013

A World in Motion (AWIM)
Description: The AWIM program combines a comprehensive curriculum built around the Engineering Design Experience and requires students work in teams, through the problem solving process, to solve a "challenge" to design, build and test a vehicle, and then defend their design though a presentation.
Grade Level: PreK-8
Contact: Chris Ciuca, SAE Foundation – cciuca@sae.org
For More Information: www.awim.org

Camp in a Can Show & Tell *
Description: Camp in a Can Show & Tell (CIACS&T) is an exciting, hands-on, all inclusive nature curriculum, professional development workshop and live animal presentation designed for after school and out-of-school time programs.
Grade Level: PreK-6
Contact: Monica Post, Camp in a Can Foundation – monica@campinacan.com
For More Information: www.CampinaCan.com

Carolina STEM Curriculum*
Description: The Carolina STEM Curriculum provides students with a curricula to fully address science and Common Core standards and to develop a STEM foundation by providing opportunities for engaging with natural phenomena, technology, engineering design challenges and mathematics. Students develop 21st-century, age-appropriate scientific habits while building on prior knowledge and experiences, allowing them to apply problem-solving strategies to real-world problems.
Grade Level: PreK-8
Contact: Dylan Briggs, Carolina Biological Supply Company – dylan.briggs@carolina.com
For More Information: www.carolina.com/iowastem

The "CASE" for Agricultural STEM Education in Iowa: Preparing Tomorrow's Leaders, Today
Description: CASE (Curriculum for Agriscience Education) hopes to increase STEM awareness and rigor and relevance of agriculture, food and natural resource subject matter through teacher professional development, student exposure to technology and a curriculum infused with 21st century skills, critical thinking and practice opportunities.
Grade Level: 9-12
Contact: Joshua Remington, Iowa FFA Foundation – joshua.remington@iowaffafoundation.org
For More Information: www.iowaffafoundation.org

dedicated to building a strong STEM education foundation for all Iowans

Defined STEM *
Description: Defined STEM is a subscriber-based web service that is designed to support STEM education and follows four core principles: relevance, rigor, application, and understanding.
Grade Level: K-12
Contact: Johnjoe Farragher, Defined Learning, LLC – johnjoe_farragher@definedlearning.com
For More Information: www.definedstem.com

E=HC² Exploration = Health Careers Connection *
Description: E=HC² Exploration = Health Careers Connection is a STEM-based curricular intervention that integrates academic and vocational opportunities designed to connect minority and low socioeconomic middle and high school students to the health science professions through classroom and club activities, work-based learning opportunities, and health science career mentoring.
Grade Level: 8-12
Contact: Wendy Gray, Iowa Area Health Education Centers Program and University of Iowa Colleges of Education – wendy-gray@uiowa.edu

Engineering is Elementary in Iowa (EiE)
Description: The Engineering is Elementary (EiE) is a research-based, standards-driven, and classroom-tested curriculum that integrates engineering and technology concepts and skills with elementary science topics.
Grade Level: 1-5
Contact: Christopher Soldat, Grant Wood AEA Van Allen Science Teaching Center – csoldat@gwaea.org
For More Information: www.aea10.k12.ia.us/vastscience/curriculumnew.html

HyperStream - Technology Hub for Iowa Students
Description: HyperStream is a program that partners education and business, combines a career awareness initiative with hands-on, real-world tech projects that students choose and develop through project-based learning.
Grade Level: 6-12
Contact: Tamara Kenworthy, Program Manager, Technology Association of Iowa (TAI) – tamara@technologyiowa.org
For More Information: http://hyperstream.org

Project Lead The Way: Gateway to Technology Program *
Description: Project Lead The Way® intends to use the Gateway to Technology Program to promote critical thinking, creativity, innovation and real-world problem solving skills in students.
Grade Level: 6-8
Contact: Arvetta Jideonwo, Project Lead The Way, Inc. – ajideonwo@pltw.org
For More Information: www.pltw.org

*** New STEM Scale-Up Programs*